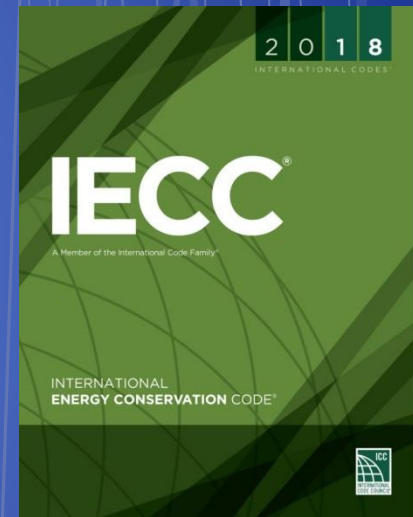




2018 Knoxville Building Code



By James Tente, MCP

Accessibility

- Significant Changes



C404.9 Shower Head Flow Rate

- A new mandatory code requirement was added to the 2018 IECC.
- Flow rate of shower heads shall not exceed 2.0gpm at 80psi in all buildings.

C402.1.4 Garage Door Glazing

- A U-factor of 0.31 has been added to table C402.1.4 as a minimum requirement for garage doors with glazing $<14\%$.

Accessory Storage Buildings

Fire Walls

Elevator Hoistways

Occupant Load for B-Business

Live Loads on Decks and Balconies

Fire Walls-Minimum Lateral Loads

Site Soil Coefficients

Special Inspection for Trusses

Header and Girder Span Revised

302.1 Classification of Outdoor Areas

303.4 Assembly Use of Greenhouses

309.1 Mercantile Use of Greenhouses

310.4.2 Owner Occupied Lodging

- Owner occupied lodging houses are permitted to comply with the IRC where:
 - 5 or fewer guest rooms AND
 - 10 or fewer total occupants

1010.1 Locking Arrangements in Group E

1015.6 Fall Arrest for Roof Top

- Why is this in Means of Egress??

1017.3 Measurement of Egress Travel

404.6 Enclosure of Atriums

406.1 Motor Vehicle Related Occupancies

420.7 Corridor Protection in Assisted Living Units

420.10 Dormitory Cooking Facilities

424.1 Children's Play Structures

428 Higher Education Laboratories

503.1 Scope of Fire Wall Use

503.1.4 Allowable Height of Occupied Roofs

508.4.1 Separated Occupancies -v- Fire Area Separations

601, Fire Protection of Structural Roof Members

602.3 602.4.1 FRT Sheathing in Exterior Walls

704.2, 704.4.1 Column Protection

705.8.1 Measurement of FSD for Opening Protection

706.1.1 Party Walls Not Fire Walls

803.3 Interior Finish for Heavy Timber

903.2.1 Sprinklers in Group A Occupancies

903.3.1.2.3 Protection of Group R Attics

904.13 Domestic Cooking Protection

1004.5 Occupant Loads, B-Business

1009.7.2 Exterior Area of Assisted Rescue

1008.2.3 Exit Discharge Illumination

Emergency Escape and Rescue Openings

- C-2 Zoning District

3001.2 Emergency Elevator Communication Systems

Energy Code—Building Envelope Amendment

Energy Code-Reduced Lighting Power

- Reductions based on improved efficacy of LED lighting
- Exterior lighting power reduced approximately 30%
- Interior 'space by space' reduced on average 26%
- Decorative & Retail display reduced 25%
- Open office areas now require occupancy sensors

Energy Code-SHGC now based on orientation

406 Added Efficiency Measures

- More OPTIONS added:
 - Tested air barrier at 0.25cfm/sq/ft.
 - 15% UA reduction